## **ABSTRACT OF THE DISCLOSURE**

An apparatus and method for effectively and controllably vaporizing a solid precursor material is provided. In particular, the present invention provides an apparatus that includes a housing defining a sealed interior volume having an inlet for receiving a carrier gas, at least one surface within the housing for the application of a solid precursor, and a heating member for heating the solid precursor. The heating member can be located in the housing or in the surface within the housing. The surface can be a rod, baffle, mesh, or grating, and is preferably s-shaped or cone-shaped. Optionally, an outlet connects the housing to a reaction chamber. A method for vaporizing a solid precursor using the apparatus of the present invention is also provided.

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